

## ABSTRACT

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2           The present invention relates to a method for preparing a virtual three-  
3 dimensional representation of a first portion of a bone. The method may comprise  
4 obtaining, from a first orientation with respect to the first portion of the bone, first image  
5 data of the first portion of the bone and obtaining, from a second, different orientation with  
6 respect to the first portion of the bone, second image data of the first portion of the bone. A  
7 three-dimensional (3D) virtual representation of the first portion of the bone may be  
8 generated. The 3D virtual representation of the first portion of the bone may be displayed.  
9 The displayed 3D virtual representation may have an orientation, determined using at least  
10 the difference between the first and second orientations from which the first and second  
11 image data were obtained.